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Derwent Record

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Derwent Title: (in)Organic fibre reinforced cement construction boards - contain fibres impregnated or coated with hydrophobic materials, esp. bitumen

Original Title: ☒ [DE3601736A1](#): Verfahren zur Herstellung von Bauplatten

Assignee: FULGURIT BAUSTOFFE Non-standard company

Inventor: DIETRICH J; GUTFLEISCH P O;

Accession/ 1987-207131 / 198730

Update:

IPC Code: B28B 1/52 ; C04B 14/42 ; C04B 16/02 ; C04B 20/10 ; C04B 24/42 ; C04B 28/04 ; C04B 40/00 ;

Derwent Classes: **A93**; **L02**; **P64**;

Manual Codes: **A12-R01A**(Concrete, cement, gypsum, mortar compositions and boards) , **L02-D11**(Asbestos and mineral fibre products)

Derwent Abstract: ([DE3601736A](#)) Construction boards consisting of organic and/or inorganic fibre reinforcement and at least one binder e.g. cement, opt. with fillers, are produced by steeping and/or coating the fibres with hydrophobic cpds. before introducing them into the fibre-binder mixt.

Pref. the hydrophobic cpds. are silicones, oils, paraffins etc. esp. bitumen; the fibres are degradable organic fibres, e.g. cellulose, wood, flax, or hemp etc. or inorganic fibres such as glass fibres or mineral wool. Construction boards produced by the above process are claimed.

USE/Advantage - Attack and long-term damage to the water-impermeable fibres by sulphate and crystallisation products e.g. ettringite (Ca sulphate-silicate hydrate) present in the cement, is prevented and swelling and shrinkage are also reduced. Glass fibres are protected against crystallisation and matrix overgrowth and mineral wool fibres against alkali attack.

[Dwg.0/0](#)

Family: PDF Patent Pub. Date Derwent Update Pages Language IPC Code

☒ [DE3601736A](#) * 1987-07-23 198730 2 German B28B 1/52

Local appls.: [DE1986003601736](#) Filed:1986-01-22 (86DE-3601736)

INPADOC [Show legal status actions](#)
 Legal Status:

First Claim: [Show all claims](#) 1. Verfahren zur Herstellung von Bauplatten, die aus organischen und/oder anorganischen Fasern als Armierung und aus wenigstens einem anorganischen Bindemittel, wie Zement und gegebenenfalls aus Füllstoffen bestehen, **dadurch gekennzeichnet**, daß die Fasern vor ihrer Eintragung in das Faser-Bindemittel-Gemisch mit einer Tränkung und/oder einem Überzug aus hydrophoben Substanzen versehen werden.

Priority Number:

Application Number	Filed	Original Title
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DE1986003601736	1986-01-22	VERFAHREN ZUR HERSTELLUNG VON BAUPLATTEN
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Polymer
Multipunch Codes: [Show polymer multipunch codes](#)

Polymer Keyterm
Serial Number: [Show polymer keyterm serial numbers](#)

Title Terms: ORGANIC FIBRE REINFORCED CEMENT CONSTRUCTION BOARD CONTAIN
FIBRE IMPREGNATE COATING HYDROPHOBIC MATERIAL BITUMEN

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